

MDCLXV.

AN
ALMANACK

OF
Celestial Motions for the Year of the
CHRISTIAN EPOCH

1665.

Being in our Account second from Leap-
year, and from the Creation 5614.

Whose Vulgar Notes are

Gillen Number 15. { Cycle of the Sun 22.
Roman Indiction 2. { Epoch 23.
Dominical Letter A { Number of Direction 5.

Fitted for Longitude 375. 0. and 42.
gr. 30. n. of North Latitude.

By Alex. Newell Astrologer.

Gen. 1. 17. Et collocavit ea Deus in ætheris
Cœli, ad afferendum lucem super Terram :
Ver. 18. Ad presidendum diei & nocti & ad
distinguentem pacisandum in æther lucem & tenebras :
videlicet Deus ad oculos hominum.

CAMBRIDGE Printed by Samuel Green 1665.

Printed by Easton his Book-
east 3. 1665

AY53
G7
Office

1 6 6 5.

There will be three Eclipses this Year. The first Eclipse is of the Sun, July 21, not visible to us by reason of the Southern Latitude: & the Moon, conspicuous in *Granada*, &c. The Second is a very small Eclipse of the Sun, July 16, 7 h. 18 min. night, which because so small, being eclipsed but 16. m. 23 sec. and the Light of the Sun being so powerful in our Horizon, it will scarce be visible by a bare Ocular Inspection. The last is a great Eclipse of the Sun, Dec. 26. Inconspicuous to us, but will be seen in the Southern parts of *Africa*, &c. and will appear Total to those that live about the Southern Tropick.

A Table of Fixed Stars Calculated for our Longitude.

	South h. m. p.	Rises h. m.	Sets h. m.
If <i>Aldebaran's</i> head	1	15 3	58 10 27
Then <i>Lucifer's</i> head	1	31 6	00 9 02
<i>Aldebaran</i>	1	1 7	13 9 20
<i>Orion's</i> bright foot	1	4 9	13 8 10
The Goat	3	03 4	26 13 40
<i>Syrus</i>	1	40 11	41 9 39
<i>Cosir</i>	1	57 8	44 13 30
<i>Polaris</i>	3	2 9	20 13 20
<i>Procyon</i>	5	31 10	59 12 03
<i>Lucifer's</i> head	7	50 00	59 14 41
<i>Vindicta's</i> head	10	18 3	30 17 06
If <i>Vindicta's</i> head	1	1 6	37 4 8
Then <i>Procyon's</i> head	3	57 8	41 7 33
<i>Arcturus</i>	3	08 0	46 9 30
Bright <i>Star's</i> head	3	17 7	18 11 16
<i>South's</i> balance	3	28 10	23 8 33
<i>North's</i> balance	3	45 7	14 9 16
<i>Hercules's</i> head	3	36 10	40 12 32
<i>Scorpion's</i> head	5	09 10	53 9 26
<i>Swan's</i> head	8	57 0	54 15 46
<i>Lucifer's</i> head	8	57 0	54 15 46
<i>Fountain's</i> head	11	0 7	16 11 46

Note a Stand of the Meridian, p. 11. post.

The ingress of the Earth and Sun into the four Cardinal Points

(V)	(☿)	March 9 day 7 h. 20 m. P. M.
☿ in	Earth	☿ enters V June 10 day 11 18 P. M.
(☿)	(☿)	Sept 12 day 11 18 P. M.
(☿)	(☿)	Dec 11 day 11 18 A. M.

March 16 1717

The first month called *March* hath xxxi dayes.

New moon 6 day. 54 m. past 3 aftern.
 Second quarter 14 day. 25 m. past 5 morning
 Full moon 20 day 20 m. past 9 night
 Last quarter 28 day 25 m. past 4 morning

M.W.	Star	rise, set, &c.	☉	☾	Plan.	Asp
1	4	Arcturus rises 6. 18. night	21	46	♊	♊
2	5	Quarter Court Hartford	22	45	♋	♋
3	6	Orion's bright foot sou. 6. 3. night	23	45	♌	♌
4	7	Alas Orion's	24	44	♍	♍
5	8	Bright St. Crown ris. 6. 30. night	25	43	♎	♎
6	9	C. Alif. B. J. C. Plin. N. Haven	26	42	♏	♏
7	10	Vindemiav. sou 24 m. past midn	27	41	♐	♐
8	11	Swan's Bill rises 11. 52. night	28	40	♑	♑
9	12	Caster sou. 7. 00. night	29	39	♒	♒
10	1	Pollux sou. 7. 10. night	30	38	♓	♓
11	2	Syrinx sets 11. 22. night	31	37	♈	♈
12	3	Procyon sou 7. 12. night	1	36	♉	♉
13	4	Virgins spick rise 7. 18. night	2	35	♊	♊
14	5	Hydra's heart sou. 9. 8. night	3	34	♋	♋
15	6	Lucida Pleiad. set. 10. 10. night	4	33	♌	♌
16	7	The Goat sets 3. 00. morn.	5	32	♍	♍
17	8	Aldebaran sets 10. 27. night	6	31	♎	♎
18	9	Hercules head rises 9. 52. night	7	30	♏	♏
19	10	Lions heart sou. 8. 57. night	8	29	♐	♐
20	11	Scorpius Heart sou. 3. 11. morn.	9	28	♑	♑
21	12	Lucida Vultur. ris. 20. m. p. midn	10	27	♒	♒
22	1	Court at Ipswich	11	26	♓	♓
23	2	Lions tail sou 9. 57. night	12	25	♈	♈
24	3	Virgo's girde sou 11. 20. night	13	24	♉	♉

☉	☾	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓																								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

G7. Office

- 1. New moon 4 day, 31 m. past 7 night
- 2. Second quarter 11 day, 16 m. past 9 night
- 3. Full moon 19 day, 41 m. past 5 night
- 4. Last quarter 26 d y 43 m past 3 night

M. W. Eliza S. a. rife, South, for Arc.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	Lucia be at 10.15. night.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
2	Coor. in Haven.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
3	Court El. Hon. Boston	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
4	Lucia Walcott 10.9.53. ni.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
5	North par. noon. 11.10. ni.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
6	Hercules 10.16.2. night	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
7	Artillery Cambridge.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
8	Arcturus 10.9.1. night.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
9	Court Ele. Hon. Hartford.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
10	South B. 10.10.1. night.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
11	N. Ball 10.11.10.42. night.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
12	Lucia Lyr 10.12.3. noon.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
13	Vin la-mistur 10.13.03. night.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
14	Procyon 10.14.03. night.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
15	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
16	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
17	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
18	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
19	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
20	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
21	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
22	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
23	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
24	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
25	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
26	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
27	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
28	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
29	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
30	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
31	Go G. 10.1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

11	51	7	8	51	20	11	08	3	5	05	1	2
6	45	7	8	45	21	14	18	2	12	2	1	0
11	40	7	8	39	21	36	15	12	25	1	1	0
16	37	7	8	14	21	5	9	33	15	1	8	0
1	37	7	7	56	22	63	3	17	20	1	1	0
26	37	7	7	38	23	46	6	45	27	1	0	0

The fourth month called *June* hath xxx dayes.

New moon 3 day, 23 m. past 5. morn.
 Second quarter 9 day, 18 m. past 11. night
 Full moon 17 day 17 m. past 5. morn.
 Last quarter 25 day, 52 m. past 8. morn.

M. W. Fixt	Stars rise, South, set, &c.	☉	☾	Plan. Asp.
1	Quarter Court Hartford.	21	02	☉ ☿ Lun.
2	Caster. sets 20. 12. night.	22	59	☿ ☽ 6
3	Pa. m. sets 9 57. night.	23	56	☽ ☿ Lun.
4		23	53	☽ ☿ Lun.
5	Artillery Election Boston.	24	50	☽ ☿ Lun.
6	Co. Elect. Plum. Co. N. Haven.	25	47	☽ ☿ Lun.
7	South Ballance. sou. 8. 47. night.	26	44	☽ ☿ Lun. Perig.
8	North Ballance. sou. 9. 00. night.	27	41	☽ ☿ Lun.
9		28	39	☽ ☿ Lun.
10	Bright Star Crown sou. 3. 23 ni.	29	36	☽ ☿ Lun.
11	Arcturus. sets 2. 34. morn.	30	33	☽ ☿ Lun.
12	Artillery at Cambridge.	01	30	☽ ☿ Lun.
13	Protonotarius. set 1. 38. m. midn.	02	27	☽ ☿ Lun.
14	Mercury Orient.	03	24	☽ ☿ Lun.
15		04	21	☽ ☿ Lun.
16	Virgo's Spick. sou. 6. 48. night.	05	18	☽ ☿ Lun.
17	Saturne Occident.	06	15	☽ ☿ Lun.
18	Swans bill. sou. 1. 23. night.	07	12	☽ ☿ Lun.
19		08	09	☽ ☿ Lun.
20	County Court Charlestown.	09	06	☽ ☿ Lun.
21	The Goat. rises 11. 40. night.	10	03	☽ ☿ Lun.
22	Scorpions bears. sou. 9. 24. night.	11	00	☽ ☿ Lun.
23	Venus Orient.	11	58	☽ ☿ Lun.
24	Lucida Lyr. sou. 11. 50. night.	12	55	☽ ☿ Lun.
25	Here. head. sou. 9. 40. night.	13	52	☽ ☿ Lun.
26		14	49	☽ ☿ Lun.
27	Court at Salem & Dover.	15	46	☽ ☿ Lun.
28	Femebant. rises 31. 08. night.	16	43	☽ ☿ Lun.
29	Medus's head. rises 10. 40. night.	17	40	☽ ☿ Lun.
30	Lucida Vulturnis sou 36. pa. midn.	18	37	☽ ☿ Lun.

Oris.	☉	☾	☿	♂	♀	♂	♀
1	4 25 7 3	5 23 22 12	00 11 56	19 18 43	43		
6	4 27 7 33	5 23 22 12	07 04	21 18 41	56		
11	4 26 7 3	5 23 22 12	07 07	51 7 10	44		
16	4 27 7 33	5 23 22 12	08 22	45 11 21	46		
21	4 28 7 3	5 23 22 12	08 24	53 8 47	35		
26	4 29 7 31	5 23 22 12	08 28	18 38 38	25		

The fifth month called *July* hath xxxi days.

- 1 New moon 1 day, 13 m. past 2 night
 2 Second quarter 9 day, 6 m. past 5 m.
 3 Full moon 16 day, 49 m. past 7 night
 4 Last quarter 23 day, 16 m. past 11 night
 5 New moon 31 day 56 m. past 3 night

	W. Planets rise, South, set, &c.		Plan. 7/6
1	Lucida Bill. son. 9. m. past mid.	19	♂ ♀ Lun
2	Lucida Lyr. son. 11. 17. night.	20	♂ ♀ Lun
3	Hercules head. son. 9. night.	21	♂ ♀ Lun
4	Court at York, & N. Haven.	22	♂ ♀ Lun
5	Virgo's Spick rises 1. 0. 0. night.	23	♂ ♀ Lun
6	Vindemiatrix. set 11. 20. night.	24	♂ ♀ Lun
7	S. sub Bellace sets 11. 42. nig.	25	♂ ♀ Lun
8	North Bal. sets 12. m. midn.	26	♂ ♀ Lun
9	Aurora. sets 12. m. past mid.	27	♂ ♀ Lun
10	Bright Star Crown. set. 3. 10. mo.	28	♂ ♀ Lun
11	Scorpius beary son. 7. 55. night.	29	♂ ♀ Lun
12	Virgo's Gir. le sets 10. 36. night.	30	♂ ♀ Lun
13	Hercules head. son. 8. 12. night.	31	♂ ♀ Lun
14	Lucida Vulvris. son. 11. 10. ni.	1	♂ ♀ Lun
15	Medusa's head rises 9. 16. night.	2	♂ ♀ Lun
16	Lucida Pleiazum rises 11. 10. ni.	3	♂ ♀ Lun
17	Aliebaran rises 18. m. pa. midn.	4	♂ ♀ Lun
18	County Court Bolton	5	♂ ♀ Lun
19	Fomahaw. rises 10. 42. night.	6	♂ ♀ Lun
20	The Goat rises 9. 16. night.	7	♂ ♀ Lun
21	Caster rises 26. m. past midn.	8	♂ ♀ Lun
22	Jupiter Occident.	9	♂ ♀ Lun
23	P. Jovis rises 4. 0. 5. night.	10	♂ ♀ Lun

1	2	3	4	5	6	7	8	9	10
1	34	2	5	9	10	11	12	13	14
2	36	2	4	10	11	12	13	14	15
3	40	2	4	14	15	16	17	18	19
4	43	2	4	19	20	21	22	23	24
5	50	2	3	28	29	30	31	32	33
6	55	2	3	37	38	39	40	41	42

AY 53

G7 Office

The seventh month call'd September hath xxx days

Seco^d quarter 6 day 43 m. past midn.
 Fullmoon 14 day. 2 m. past 4 morn.
 Last quarter 21 day. 33 m. past 10 at night
 Newmoon 28 day 13 m. past 2 afternoons

M.W.	Fixt Stars rise, set, four, &c	☉	☽	Plan. A.
1	6 Lucida Lyr. sou 7. 5. night.	17	10	☐ ☽ Lun
2	7 Medusa's head sou 3. 32. morn.	20	09	☐ ☽ Lun
3	1 Swans B. H. sou 8. 13. night.	21	08	☐ ☽ Lun
4	2 Co. Alt. 7. 30. & N. Haven.	22	07	☐ ☽ Lun
5	3 Lucida Pleia. um sou 1. 53. m	23	06	☐ ☽ Lun
6	4 Quarter Court Hartford.	24	05	☐ ☽ Lun
7	5 Caster rises 10. 52. night.	27	00	☐ ☽ Lun
8	6 Pollux rises 11. 24. night.	27	59	☐ ☽ Lun
9	7 Artillery Election Cambridge.	27	57	☐ ☽ Lun
10	8 Lucida Vulturis. sou 7. 52. night.	27	55	☐ ☽ Lun
11	9 Alceon rises 10. 3. night	01	54	☐ ☽ Lun
12	10 Os Pegasi sou 9. 43. night.	02	53	☐ ☽ Lun
13	11 Orion's right foot sou 4. 25. morn	03	52	☐ ☽ Lun
14	12 Arcturus. sets 8. 12. night	04	51	☐ ☽ Lun
15	13 Scorpions heart sets 8. 4. night	05	50	☐ ☽ Lun
16	14 The Goat sou 4. 29. morn.	06	49	☐ ☽ Lun
17	15 North Bal. set. 7. 44. night.	07	48	☐ ☽ Lun
18	16 Hercules head. set 10. 51. night	08	47	☐ ☽ Lun
19	17 Court Ipswich.	09	46	☐ ☽ Lun
20	18 S. u. b. Gallance set 6. 47. night.	10	45	☐ ☽ Lun
21	19 Sirius rises 38 m past midn.	11	44	☐ ☽ Lun
22	20 Procyon rises 11. 51. night.	12	43	☐ ☽ Lun
23	1 5 4 16	2	20 03	02 11 8
24	6 5 1 6 05	2	50 12 05	07 05 05 18 28
25	11 3 57 6 02	2	55 12 47	11 12 12 24 29
26	6 01 5 55	3	01 12 32	11 18 28 29 33
27	6 12 5 45	3	15 12 21	13 17 57 02 34
28	6 20 5 40	3	29 12 11	17 05 41

The eight month called *October* hath xxxi dayes.

D Sec. 2d quarter 5 day, 19 m. part 4 aftern.

F. 11 noon 13 day, 4⁰⁰ m. past 8 night

Left quarter 21 day 55 m. past 7. morn.

• New moon 28 day, 23 m past midnight

M. W. FINE Signs, Rife, South, Ser &c.

© 3 Jan. Asp

1	Lucida Lyr. fou 5. 38. night.	18	42	m	28	3	2	1.
2	Swamp bill fou 6. 45. night.	19	42	+	12	*	h	2.
3	Coar. Cambr. P. lin. & N. have:	20	41	+	12	*	h	Lun.
4		21	41	+	12	*	h	Lun.
5	Me. bus. head fou 5. 2. night.	22	41	+	12	*	h	Lun.
6	Alabar. riles 7. 42. night.	23	41	+	12	*	h	Lun.
7		24	40	+	15	*	h	Lun.
8	Lucida Vulturis fou 6. 20. night.	25	40	+	26	*	h	Lun.
9	Mercury Orient.	26	40	+	26	*	h	Lun.
10	Court at Haoptia.	27	40	+	26	*	h	Lun.
11	N. ballance Lets 5. 36. night.	28	40	+	26	*	h	Lun.
12		29	40	+	26	*	h	Lun.
13	Scorpius heart Lets 6. 38. night.	30	40	+	26	*	h	Lun.
14	Orion's bright J. or fou 2. 16. morn.	31	40	+	26	*	h	Lun.
15	Bright star crown Lets 8. 20. nig	32	40	+	26	*	h	Lun.
16		33	40	+	26	*	h	Lun.
17	Hercules head Lets 9. 28. night.	34	40	+	26	*	h	Lun.
18	Lucida Pleiad. r. fil. 5. 45. nig	35	40	+	26	*	h	Lun.
19	The Goat fou 2. 46. morn.	36	41	+	13	*	h	Lun.
20		37	41	+	13	*	h	Lun.
21	Ospegas fou 7. 32. night.	38	41	+	13	*	h	Lun.
22	1. after. rif. 8. 12. night.	39	41	+	13	*	h	Lun.
23	Pouax. riles 8. 15. night.	40	42	+	13	*	h	Lun.
24		41	42	+	13	*	h	Lun.
25	Fumabart. fou 7. 21. night.	42	42	+	13	*	h	Lun.
26	5 Syrac. rif. 10. 22. night.	43	42	+	13	*	h	Lun.
27	Procyon riles 10. 3. night.	44	43	+	13	*	h	Lun.
28		45	43	+	13	*	h	Lun.
29	1 Lion's heart riles 11. 58. night.	46	43	+	13	*	h	Lun.
30	Vindematrix riles 2. 28. morn.	47	45	+	13	*	h	Lun.
31	3 County Court B. lion.	48	45	+	13	*	h	Lun.

The ninth month call'd *November* hath xxx days

Second quarter 4 day 38 m. past 11 mora.
Full moon 13 day. 50 m. p. past noon
Last quarter 19 day. 19 m. past 4 afternoon.
New moon 26 day 2 m. past 1 afternoon

M-W	First Stars rise, set, south, &c.	☉	☽	Plan. Afr.
1	4 <i>Andromedæ</i> rises 2.20. morn.	17	16	☽ 48
2	3 <i>Lucida Vulvaris</i> sets 11.15. nig.	20	47	☽ 28 Lnn.
3	6	21	47	☽ 11 * 8 12
4	7 <i>Hercules</i> head sets 8 18. night	22	48	☽ 23
5	1 <i>Bright Star Crown</i> ri. 2.54. mo.	23	48	* 5 ☽ Lun.
6	2 <i>Orion</i> rises 6.38. night.	24	49	☽ 16 Lun. Apog.
7	3 <i>Court.</i> Haven.	25	50	☽ 28 ☽ 17
8	4	26	51	☽ 10 ☽ Lun.
9	5 <i>Fornax</i> sou. 6.22. night	27	52	☽ 22 ☽ 11
10	6 <i>Medusa's</i> head sou. 11.29. night	28	53	☽ 05 ☽ 14
11	7 <i>Lucida Pleiad.</i> sou. 11.40. night	29	53	☽ 17 ☽ Lun.
12	1	30	54	☽ 00 ☽ Lun.
13	2 <i>Castor.</i> sou. 3.7. morn.	01	55	☽ 13 ☽ 19
14	3 <i>Polaris</i> rises 7.13. night	02	56	☽ 25 ☽ Lun.
15	4 <i>Lions</i> Heart. rises 10.50. night	03	57	☽ 10 ☽ Lun.
16	5	04	58	☽ 23 ☽ Lun.
17	6 <i>Virgo's</i> Girdle. rises 2.00. morn.	05	59	☽ 07 ☽ 15
18	7 <i>Aldebaran.</i> rises 6.43. night	06	00	☽ 21 ☽ 20
19	1	07	01	☽ 05 ☽ Perig.
20	2 <i>Syrinx</i> rises 9.9. night	08	02	☽ 15 ☽ Lun.
21	3 <i>Procyon</i> rises 8.24. night	09	03	☽ 03 ☽ Lun.
22	4 <i>Tb. Com</i> sou. 26 m past midnight	10	04	☽ 18 ☽ Lun.
23	5	11	05	☽ 02 ☽ 7
24	6 <i>Virgins</i> Sp. ck. rises 2.57. morn.	12	06	☽ 16 ☽ Lun.
25	7 <i>Swans</i> Bill. sets 11.4. night	13	07	☽ 01 ☽ Lun.
26	1	14	08	☽ 14 ☽ Lun.
27	2 <i>Arcturus.</i> rises 48 m past midn	15	09	☽ 28 ☽ Lun.
28	3 <i>Court</i> at Salem.	16	10	☽ 11 ☽ Lun.
29	4 <i>Ori.</i> bright foot. sou. 11.34. night	17	11	☽ 24 ☽ Lun.
30	5	18	12	☽ 06 ☽ 19

Orif	☉	☽	☿	♂	♀	♂	♀
1	7 0 4 52	6 04 14	16 07 16	30 11	15 02 36		
6	7 10 4 47	6 34 14	5 10 67 17	18 10 02			
11	7 18 4 42	7 04 15	20 12 42 23	21 17 43			
16	7 23 4 37	7 35 16	12 15 11 29	28 15 23			
21	7 27 4 33	8 06 16	57 17 38 05	35 31 15			
26	7 29 4 31	8 40 17	47 19 59 11	44 11 05			

The tenth month called *December* hath xxxi dayes.

3 2d quarter 4 day 14 m. past 9 morn.
 4 Full moon 12 day 49 m. past 3 morn.
 5 Last quarter 19 day 20 m. past midn.
 6 New moon 26 day 28 m. past 4 morn.

M.W.	Fixe S ars rifle, fourth, ser, &c.	30	→	19	♂ ♀ 18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1	6 Fendalja's lead 4.48-nig	31	→	20	♂ ♀ 19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
2	7 Fendalja's lead 4.54-nig	32	→	21	♂ ♀ 20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
3	1	33	→	22	♂ ♀ 21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
4	2 Mercury Occident.	34	→	23	♂ ♀ 22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
5	3 Court Plmouth. & N. Haven.	35	→	24	♂ ♀ 23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
6	4 Alsharan. fou 10.33-nig.	36	→	25	♂ ♀ 24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
7	5 Quarter Court Hartford.	37	→	26	♂ ♀ 25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
8	6	38	→	27	♂ ♀ 26																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
9	7 Lucida Ploia. fou 9.38. night	39	→	28	♂ ♀ 27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
10	8 Ori. bright foot. fou. 10.45. night	40	→	29	♂ ♀ 28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
11	9	41	→	30	♂ ♀ 29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
12	3 Lucida Vultur. sets 8.22-nig	42	→	31	♂ ♀ 30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
13	4 S-m-i. r. sets 9.44-nig	43	→	32	♂ ♀ 31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
14	5 Arcturus. rifle. 11.31-nig	44	→	33	♂ ♀ 32																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
15	6	45	→	34	♂ ♀ 33																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
16	7 Lions Heart. rifles 8.26-nig	46	→	35	♂ ♀ 34																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
17	8 Virgins Spide. rifles 1.15-nig.	47	→	36	♂ ♀ 35																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
18	9	48	→	37	♂ ♀ 36																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
19	4 Court at Charlstown.	49	→	38	♂ ♀ 37																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
20	4 Windemayrin. rifles 10.46-nig	50	→	39	♂ ♀ 38																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
21	5 The Gentle. 1. 4.18-nig.	51	→	40	♂ ♀ 39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
22	6 Saturne Orient.	52	→	41	♂ ♀ 40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
23	7	53	→	42	♂ ♀ 41																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
24	1 Syrus fou 11.45-nig.	54	→	43	♂ ♀ 42																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
25	2 Trigon rif. 5.32-nig.	55	→	44	♂ ♀ 43																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
26	3 Vergil's Girdle rifles 11.7-nig.	56	→	45	♂ ♀ 44																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
27	4	57	→	46	♂ ♀ 45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
28	5 Casper. fou 11.50-nig	58	→	47	♂ ♀ 46																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
29	6 Po. n. C. 1. 1. 55-nig.	59	→	48	♂ ♀ 47																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
30	7 Bright Star Crown rif. 10.52-ni	60	→	49	♂ ♀ 48																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
31	8	61	→	50	♂ ♀ 49																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
		<table><tr><td>♂</td><td>♀</td><td>♂</td><td>♀</td><td>♂</td><td>♀</td></tr><tr><td>1</td><td>7</td><td>3</td><td>4</td><td>5</td><td>6</td></tr><tr><td>2</td><td>8</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td>3</td><td>9</td><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td>4</td><td>10</td><td>6</td><td>7</td><td>8</td><td>9</td></tr><tr><td>5</td><td>11</td><td>7</td><td>8</td><td>9</td><td>10</td></tr><tr><td>6</td><td>12</td><td>8</td><td>9</td><td>10</td><td>11</td></tr><tr><td>7</td><td>13</td><td>9</td><td>10</td><td>11</td><td>12</td></tr><tr><td>8</td><td>14</td><td>10</td><td>11</td><td>12</td><td>13</td></tr><tr><td>9</td><td>15</td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>10</td><td>16</td><td>12</td><td>13</td><td>14</td><td>15</td></tr><tr><td>11</td><td>17</td><td>13</td><td>14</td><td>15</td><td>16</td></tr><tr><td>12</td><td>18</td><td>14</td><td>15</td><td>16</td><td>17</td></tr><tr><td>13</td><td>19</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>14</td><td>20</td><td>16</td><td>17</td><td>18</td><td>19</td></tr><tr><td>15</td><td>21</td><td>17</td><td>18</td><td>19</td><td>20</td></tr><tr><td>16</td><td>22</td><td>18</td><td>19</td><td>20</td><td>21</td></tr><tr><td>17</td><td>23</td><td>19</td><td>20</td><td>21</td><td>22</td></tr><tr><td>18</td><td>24</td><td>20</td><td>21</td><td>22</td><td>23</td></tr><tr><td>19</td><td>25</td><td>21</td><td>22</td><td>23</td><td>24</td></tr><tr><td>20</td><td>26</td><td>22</td><td>23</td><td>24</td><td>25</td></tr><tr><td>21</td><td>27</td><td>23</td><td>24</td><td>25</td><td>26</td></tr><tr><td>22</td><td>28</td><td>24</td><td>25</td><td>26</td><td>27</td></tr><tr><td>23</td><td>29</td><td>25</td><td>26</td><td>27</td><td>28</td></tr><tr><td>24</td><td>30</td><td>26</td><td>27</td><td>28</td><td>29</td></tr><tr><td>25</td><td>31</td><td>27</td><td>28</td><td>29</td><td>30</td></tr><tr><td>26</td><td>32</td><td>28</td><td>29</td><td>30</td><td>31</td></tr><tr><td>27</td><td>33</td><td>29</td><td>30</td><td>31</td><td>32</td></tr><tr><td>28</td><td>34</td><td>30</td><td>31</td><td>32</td><td>33</td></tr><tr><td>29</td><td>35</td><td>31</td><td>32</td><td>33</td><td>34</td></tr><tr><td>30</td><td>36</td><td>32</td><td>33</td><td>34</td><td>35</td></tr><tr><td>31</td><td>37</td><td>33</td><td>34</td><td>35</td><td>36</td></tr><tr><td>32</td><td>38</td><td>34</td><td>35</td><td>36</td><td>37</td></tr><tr><td>33</td><td>39</td><td>35</td><td>36</td><td>37</td><td>38</td></tr><tr><td>34</td><td>40</td><td>36</td><td>37</td><td>38</td><td>39</td></tr><tr><td>35</td><td>41</td><td>37</td><td>38</td><td>39</td><td>40</td></tr><tr><td>36</td><td>42</td><td>38</td><td>39</td><td>40</td><td>41</td></tr><tr><td>37</td><td>43</td><td>39</td><td>40</td><td>41</td><td>42</td></tr><tr><td>38</td><td>44</td><td>40</td><td>41</td><td>42</td><td>43</td></tr><tr><td>39</td><td>45</td><td>41</td><td>42</td><td>43</td><td>44</td></tr><tr><td>40</td><td>46</td><td>42</td><td>43</td><td>44</td><td>45</td></tr><tr><td>41</td><td>47</td><td>43</td><td>44</td><td>45</td><td>46</td></tr><tr><td>42</td><td>48</td><td>44</td><td>45</td><td>46</td><td>47</td></tr><tr><td>43</td><td>49</td><td>45</td><td>46</td><td>47</td><td>48</td></tr><tr><td>44</td><td>50</td><td>46</td><td>47</td><td>48</td><td>49</td></tr><tr><td>45</td><td>51</td><td>47</td><td>48</td><td>49</td><td>50</td></tr><tr><td>46</td><td>52</td><td>48</td><td>49</td><td>50</td><td>51</td></tr><tr><td>47</td><td>53</td><td>49</td><td>50</td><td>51</td><td>52</td></tr><tr><td>48</td><td>54</td><td>50</td><td>51</td><td>52</td><td>53</td></tr><tr><td>49</td><td>55</td><td>51</td><td>52</td><td>53</td><td>54</td></tr><tr><td>50</td><td>56</td><td>52</td><td>53</td><td>54</td><td>55</td></tr><tr><td>51</td><td>57</td><td>53</td><td>54</td><td>55</td><td>56</td></tr><tr><td>52</td><td>58</td><td>54</td><td>55</td><td>56</td><td>57</td></tr><tr><td>53</td><td>59</td><td>55</td><td>56</td><td>57</td><td>58</td></tr><tr><td>54</td><td>60</td><td>56</td><td>57</td><td>58</td><td>59</td></tr><tr><td>55</td><td>61</td><td>57</td><td>58</td><td>59</td><td>60</td></tr><tr><td>56</td><td>62</td><td>58</td><td>59</td><td>60</td><td>61</td></tr><tr><td>57</td><td>63</td><td>59</td><td>60</td><td>61</td><td>62</td></tr><tr><td>58</td><td>64</td><td>60</td><td>61</td><td>62</td><td>63</td></tr><tr><td>59</td><td>65</td><td>61</td><td>62</td><td>63</td><td>64</td></tr><tr><td>60</td><td>66</td><td>62</td><td>63</td><td>64</td><td>65</td></tr><tr><td>61</td><td>67</td><td>63</td><td>64</td><td>65</td><td>66</td></tr><tr><td>62</td><td>68</td><td>64</td><td>65</td><td>66</td><td>67</td></tr><tr><td>63</td><td>69</td><td>65</td><td>66</td><td>67</td><td>68</td></tr><tr><td>64</td><td>70</td><td>66</td><td>67</td><td>68</td><td>69</td></tr><tr><td>65</td><td>71</td><td>67</td><td>68</td><td>69</td><td>70</td></tr><tr><td>66</td><td>72</td><td>68</td><td>69</td><td>70</td><td>71</td></tr><tr><td>67</td><td>73</td><td>69</td><td>70</td><td>71</td><td>72</td></tr><tr><td>68</td><td>74</td><td>70</td><td>71</td><td>72</td><td>73</td></tr><tr><td>69</td><td>75</td><td>71</td><td>72</td><td>73</td><td>74</td></tr><tr><td>70</td><td>76</td><td>72</td><td>73</td><td>74</td><td>75</td></tr><tr><td>71</td><td>77</td><td>73</td><td>74</td><td>75</td><td>76</td></tr><tr><td>72</td><td>78</td><td>74</td><td>75</td><td>76</td><td>77</td></tr><tr><td>73</td><td>79</td><td>75</td><td>76</td><td>77</td><td>78</td></tr><tr><td>74</td><td>80</td><td>76</td><td>77</td><td>78</td><td>79</td></tr><tr><td>75</td><td>81</td><td>77</td><td>78</td><td>79</td><td>80</td></tr><tr><td>76</td><td>82</td><td>78</td><td>79</td><td>80</td><td>81</td></tr><tr><td>77</td><td>83</td><td>79</td><td>80</td><td>81</td><td>82</td></tr><tr><td>78</td><td>84</td><td>80</td><td>81</td><td>82</td><td>83</td></tr><tr><td>79</td><td>85</td><td>81</td><td>82</td><td>83</td><td>84</td></tr><tr><td>80</td><td>86</td><td>82</td><td>83</td><td>84</td><td>85</td></tr><tr><td>81</td><td>87</td><td>83</td><td>84</td><td>85</td><td>86</td></tr><tr><td>82</td><td>88</td><td>84</td><td>85</td><td>86</td><td>87</td></tr><tr><td>83</td><td>89</td><td>85</td><td>86</td><td>87</td><td>88</td></tr><tr><td>84</td><td>90</td><td>86</td><td>87</td><td>88</td><td>89</td></tr><tr><td>85</td><td>91</td><td>87</td><td>88</td><td>89</td><td>90</td></tr><tr><td>86</td><td>92</td><td>88</td><td>89</td><td>90</td><td>91</td></tr><tr><td>87</td><td>93</td><td>89</td><td>90</td><td>91</td><td>92</td></tr><tr><td>88</td><td>94</td><td>90</td><td>91</td><td>92</td><td>93</td></tr><tr><td>89</td><td>95</td><td>91</td><td>92</td><td>93</td><td>94</td></tr><tr><td>90</td><td>96</td><td>92</td><td>93</td><td>94</td><td>95</td></tr><tr><td>91</td><td>97</td><td>93</td><td>94</td><td>95</td><td>96</td></tr><tr><td>92</td><td>98</td><td>94</td><td>95</td><td>96</td><td>97</td></tr><tr><td>93</td><td>99</td><td>95</td><td>96</td><td>97</td><td>98</td></tr><tr><td>94</td><td>100</td><td>96</td><td>97</td><td>98</td><td>99</td></tr><tr><td>95</td><td>101</td><td>97</td><td>98</td><td>99</td><td>100</td></tr><tr><td>96</td><td>102</td><td>98</td><td>99</td><td>100</td><td>101</td></tr><tr><td>97</td><td>103</td><td>99</td><td>100</td><td>101</td><td>102</td></tr><tr><td>98</td><td>104</td><td>100</td><td>101</td><td>102</td><td>103</td></tr><tr><td>99</td><td>105</td><td>101</td><td>102</td><td>103</td><td>104</td></tr><tr><td>100</td><td>106</td><td>102</td><td>103</td><td>104</td><td>105</td></tr><tr><td>101</td><td>107</td><td>103</td><td>104</td><td>105</td><td>106</td></tr><tr><td>102</td><td>108</td><td>104</td><td>105</td><td>106</td><td>107</td></tr><tr><td>103</td><td>109</td><td>105</td><td>106</td><td>107</td><td>108</td></tr><tr><td>104</td><td>110</td><td>106</td><td>107</td><td>108</td><td>109</td></tr><tr><td>105</td><td>111</td><td>107</td><td>108</td><td>109</td><td>110</td></tr><tr><td>106</td><td>112</td><td>108</td><td>109</td><td>110</td><td>111</td></tr><tr><td>107</td><td>113</td><td>109</td><td>110</td><td>111</td><td>112</td></tr><tr><td>108</td><td>114</td><td>110</td><td>111</td><td>112</td><td>113</td></tr><tr><td>109</td><td>115</td><td>111</td><td>112</td><td>113</td><td>114</td></tr><tr><td>110</td><td>116</td><td>112</td><td>113</td><td>114</td><td>115</td></tr><tr><td>111</td><td>117</td><td>113</td><td>114</td><td>115</td><td>116</td></tr><tr><td>112</td><td>118</td><td>114</td><td>115</td><td>116</td><td>117</td></tr><tr><td>113</td><td>119</td><td>115</td><td>116</td><td>117</td><td>118</td></tr><tr><td>114</td><td>120</td><td>116</td><td>117</td><td>118</td><td>119</td></tr><tr><td>115</td><td>121</td><td>117</td><td>118</td><td>119</td><td>120</td></tr><tr><td>116</td><td>122</td><td>118</td><td>119</td><td>120</td><td>121</td></tr><tr><td>117</td><td>123</td><td>119</td><td>120</td><td>121</td><td>122</td></tr><tr><td>118</td><td>124</td><td>120</td><td>121</td><td>122</td><td>123</td></tr><tr><td>119</td><td>125</td><td>121</td><td>122</td><td>123</td><td>124</td></tr><tr><td>120</td><td>126</td><td>122</td><td>123</td><td>124</td><td>125</td></tr><tr><td>121</td><td>127</td><td>123</td><td>124</td><td>125</td><td>126</td></tr><tr><td>122</td><td>128</td><td>124</td><td>125</td><td>126</td><td>127</td></tr><tr><td>123</td><td>129</td><td>125</td><td>126</td><td>127</td><td>128</td></tr><tr><td>124</td><td>130</td><td>126</td><td>127</td><td>128</td><td>129</td></tr><tr><td>125</td><td>131</td><td>127</td><td>128</td><td>129</td><td>130</td></tr><tr><td>126</td><td>132</td><td>128</td><td>129</td><td>130</td><td>131</td></tr><tr><td>127</td><td>133</td><td>129</td><td>130</td><td>131</td><td>132</td></tr><tr><td>128</td><td>134</td><td>130</td><td>131</td><td>132</td><td>133</td></tr><tr><td>129</td><td>135</td><td>131</td><td>132</td><td>133</td><td>134</td></tr><tr><td>130</td><td>136</td><td>132</td><td>133</td><td>134</td><td>135</td></tr><tr><td>131</td><td>137</td><td>133</td><td>134</td><td>135</td><td>136</td></tr><tr><td>132</td><td>138</td><td>134</td><td>135</td><td>136</td><td>137</td></tr><tr><td>133</td><td>139</td><td>135</td><td>136</td><td>137</td><td>138</td></tr><tr><td>134</td><td>140</td><td>136</td><td>137</td><td>138</td><td>139</td></tr><tr><td>135</td><td>141</td><td>137</td><td>138</td><td>139</td><td>140</td></tr><tr><td>136</td><td>142</td><td>138</td><td>139</td><td>140</td><td>141</td></tr><tr><td>137</td><td>143</td><td>139</td><td>140</td><td>141</td><td>142</td></tr><tr><td>138</td><td>144</td><td>140</td><td>141</td><td>142</td><td>143</td></tr><tr><td>139</td><td>145</td><td>141</td><td>142</td><td>143</td><td>144</td></tr><tr><td>140</td><td>146</td><td>142</td><td>143</td><td>144</td><td>145</td></tr><tr><td>141</td><td>147</td><td>143</td><td>144</td><td>145</td><td>146</td></tr><tr><td>142</td><td>148</td><td>144</td><td>145</td><td>146</td><td>147</td></tr><tr><td>143</td><td>149</td><td>145</td><td>146</td><td>147</td><td>148</td></tr><tr><td>144</td><td>150</td><td>146</td><td>147</td><td>148</td><td>149</td></tr><tr><td>145</td><td>151</td><td>147</td><td>148</td><td>149</td><td>150</td></tr><tr><td>146</td><td>152</td><td>148</td><td>149</td><td>150</td><td>151</td></tr><tr><td>147</td><td>153</td><td>149</td><td>150</td><td>151</td><td>152</td></tr><tr><td>148</td><td>154</td><td>150</td><td>151</td><td>152</td><td>153</td></tr><tr><td>149</td><td>155</td><td>151</td><td>152</td><td>153</td><td>154</td></tr><tr><td>150</td><td>156</td><td>152</td><td>153</td><td>154</td><td>155</td></tr><tr><td>151</td><td>157</td><td>153</td><td>154</td><td>155</td><td>156</td></tr><tr><td>152</td><td>158</td><td>154</td><td>155</td><td>156</td><td>157</td></tr><tr><td>153</td><td>159</td><td>155</td><td>156</td><td>157</td><td>158</td></tr><tr><td>154</td><td>160</td><td>156</td><td>157</td><td>158</td><td>159</td></tr><tr><td>155</td><td>161</td><td>157</td><td>158</td><td>159</td><td>160</td></tr><tr><td>156</td><td>162</td><td>158</td><td>159</td><td>160</td><td>161</td></tr><tr><td>157</td><td>163</td><td>159</td><td>160</td><td>161</td><td>162</td></tr><tr><td>158</td><td>164</td><td>160</td><td>161</td><td>162</td><td>163</td></tr><tr><td>159</td><td>165</td><td>161</td><td>162</td><td>163</td><td>164</td></tr><tr><td>160</td><td>166</td><td>162</td><td>163</td><td>164</td><td>165</td></tr><tr><td>161</td><td>167</td><td>163</td><td>164</td><td>165</td><td>166</td></tr><tr><td>162</td><td>168</td><td>164</td><td>165</td><td>166</td><td>167</td></tr><tr><td>163</td><td>169</td><td>165</td><td>166</td><td>167</td><td>168</td></tr><tr><td>164</td><td>170</td><td>166</td><td>167</td><td>168</td><td>169</td></tr><tr><td>165</td><td>171</td><td>167</td><td>168</td><td>169</td><td>170</td></tr><tr><td>166</td><td>172</td><td>168</td><td>169</td><td>170</td><td>171</td></tr><tr><td>167</td><td>173</td><td>169</td><td>170</td><td>171</td><td>172</td></tr><tr><td>168</td><td>174</td><td>170</td><td>171</td><td>172</td><td>173</td></tr><tr><td>169</td><td>175</td><td>171</td><td>172</td><td>173</td><td>174</td></tr><tr><td>170</td><td>176</td><td>172</td><td>173</td><td>174</td><td>175</td></tr><tr><td>171</td><td>177</td><td>173</td><td>174</td><td>175</td><td>176</td></tr><tr><td>172</td><td>178</td><td>174</td><td>175</td><td>176</td><td>177</td></tr><tr><td>173</td><td>179</td><td>175</td><td>176</td><td>177</td><td>178</td></tr><tr><td>174</td><td>180</td><td>176</td><td>177</td><td>178</td><td>179</td></tr><tr><td>175</td><td>181</td><td>177</td><td>178</td><td>179</td><td>180</td></tr><tr><td>176</td><td>182</td><td>178</td><td>179</td><td>180</td><td>181</td></tr><tr><td>177</td><td>183</td><td>179</td><td>180</td><td>181</td><td>182</td></tr><tr><td>178</td><td>184</td><td>180</td><td>181</td><td>182</td><td>183</td></tr><tr><td>179</td><td>185</td><td>181</td><td>182</td><td>183</td><td>184</td></tr><tr><td>180</td><td>186</td><td>182</td><td>183</td><td>184</td><td>185</td></tr><tr><td>181</td><td>187</td><td>183</td><td>184</td><td>185</td><td>186</td></tr><tr><td>182</td><td>188</td><td>184</td><td>185</td><td>186</td><td>187</td></tr><tr><td>183</td><td>189</td><td>185</td><td>186</td><td>187</td><td>188</td></tr><tr><td>184</td><td>190</td><td>186</td><td>187</td><td>188</td><td>189</td></tr><tr><td>185</td><td>191</td><td>187</td><td>188</td><td>189</td><td>190</td></tr><tr><td>186</td><td>192</td><td>188</td><td>189</td><td>190</td><td>191</td></tr><tr><td>187</td><td>193</td><td>189</td><td>190</td><td>191</td><td>192</td></tr><tr><td>188</td><td>194</td><td>190</td><td>191</td><td>192</td><td>193</td></tr><tr><td>189</td><td>195</td><td>191</td><td>192</td><td>193</td><td>194</td></tr><tr><td>190</td><td>196</td><td>192</td><td>193</td><td>194</td><td>195</td></tr><tr><td>191</td><td>197</td><td>193</td><td>194</td><td>195</td><td>196</td></tr><tr><td>192</td><td>198</td><td>194</td><td>195</td><td>196</td><td>197</td></tr><tr><td>193</td><td>199</td><td>195</td><td>196</td><td>197</td><td>198</td></tr><tr><td>194</td><td>200</td><td>196</td><td>197</td><td>198</td><td>199</td></tr><tr><td>195</td><td>201</td><td>197</td><td>198</td><td>199</td><td>200</td></tr><tr><td>196</td><td>202</td><td>198</td><td>199</td><td>200</td><td>201</td></tr><tr><td>197</td><td>203</td><td>199</td><td>200</td><td>201</td><td>202</td></tr><tr><td>198</td><td>204</td><td>200</td><td>201</td><td>202</td><td>203</td></tr><tr><td>199</td><td>205</td><td>201</td><td>202</td><td>203</td><td>204</td></tr><tr><td>200</td><td>206</td><td>202</td><td>203</td><td>204</td><td>205</td></tr><tr><td>201</td><td>207</td><td>203</td><td>204</td><td>205</td><td>206</td></tr><tr><td>202</td><td>208</td><td>204</td><td>205</td><td>206</td><td>207</td></tr><tr><td>203</td><td>209</td><td>205</td><td>206</td><td>207</td><td>208</td></tr><tr><td>204</td><td>210</td><td>206</td><td>207</td><td>208</td><td>209</td></tr><tr><td>205</td><td>211</td><td>207</td><td>208</td><td>209</td><td>210</td></tr><tr><td>206</td><td>212</td><td>208</td><td>209</td><td>210</td><td>211</td></tr><tr><td>207</td><td>213</td><td>209</td><td>210</td><td>211</td><td>212</td></tr><tr><td>208</td><td>214</td><td>210</td><td>211</td><td>212</td><td>213</td></tr><tr><td>209</td><td>215</td><td>211</td><td>212</td><td>213</td><td>214</td></tr><tr><td>210</td><td>216</td><td>212</td><td>213</td><td>214</td><td>215</td></tr><tr><td>211</td><td>217</td><td>213</td><td>214</td><td>215</td><td>216</td></tr><tr><td>212</td><td>218</td><td>214</td><td>215</td><td>216</td><td>217</td></tr><tr><td>213</td><td>219</td><td>215</td><td>216</td><td>217</td><td>218</td></tr><tr><td>214</td><td>220</td><td>21</td></tr></table>				♂	♀	♂	♀	♂	♀	1	7	3	4	5	6	2	8	4	5	6	7	3	9	5	6	7	8	4	10	6	7	8	9	5	11	7	8	9	10	6	12	8	9	10	11	7	13	9	10	11	12	8	14	10	11	12	13	9	15	11	12	13	14	10	16	12	13	14	15	11	17	13	14	15	16	12	18	14	15	16	17	13	19	15	16	17	18	14	20	16	17	18	19	15	21	17	18	19	20	16	22	18	19	20	21	17	23	19	20	21	22	18	24	20	21	22	23	19	25	21	22	23	24	20	26	22	23	24	25	21	27	23	24	25	26	22	28	24	25	26	27	23	29	25	26	27	28	24	30	26	27	28	29	25	31	27	28	29	30	26	32	28	29	30	31	27	33	29	30	31	32	28	34	30	31	32	33	29	35	31	32	33	34	30	36	32	33	34	35	31	37	33	34	35	36	32	38	34	35	36	37	33	39	35	36	37	38	34	40	36	37	38	39	35	41	37	38	39	40	36	42	38	39	40	41	37	43	39	40	41	42	38	44	40	41	42	43	39	45	41	42	43	44	40	46	42	43	44	45	41	47	43	44	45	46	42	48	44	45	46	47	43	49	45	46	47	48	44	50	46	47	48	49	45	51	47	48	49	50	46	52	48	49	50	51	47	53	49	50	51	52	48	54	50	51	52	53	49	55	51	52	53	54	50	56	52	53	54	55	51	57	53	54	55	56	52	58	54	55	56	57	53	59	55	56	57	58	54	60	56	57	58	59	55	61	57	58	59	60	56	62	58	59	60	61	57	63	59	60	61	62	58	64	60	61	62	63	59	65	61	62	63	64	60	66	62	63	64	65	61	67	63	64	65	66	62	68	64	65	66	67	63	69	65	66	67	68	64	70	66	67	68	69	65	71	67	68	69	70	66	72	68	69	70	71	67	73	69	70	71	72	68	74	70	71	72	73	69	75	71	72	73	74	70	76	72	73	74	75	71	77	73	74	75	76	72	78	74	75	76	77	73	79	75	76	77	78	74	80	76	77	78	79	75	81	77	78	79	80	76	82	78	79	80	81	77	83	79	80	81	82	78	84	80	81	82	83	79	85	81	82	83	84	80	86	82	83	84	85	81	87	83	84	85	86	82	88	84	85	86	87	83	89	85	86	87	88	84	90	86	87	88	89	85	91	87	88	89	90	86	92	88	89	90	91	87	93	89	90	91	92	88	94	90	91	92	93	89	95	91	92	93	94	90	96	92	93	94	95	91	97	93	94	95	96	92	98	94	95	96	97	93	99	95	96	97	98	94	100	96	97	98	99	95	101	97	98	99	100	96	102	98	99	100	101	97	103	99	100	101	102	98	104	100	101	102	103	99	105	101	102	103	104	100	106	102	103	104	105	101	107	103	104	105	106	102	108	104	105	106	107	103	109	105	106	107	108	104	110	106	107	108	109	105	111	107	108	109	110	106	112	108	109	110	111	107	113	109	110	111	112	108	114	110	111	112	113	109	115	111	112	113	114	110	116	112	113	114	115	111	117	113	114	115	116	112	118	114	115	116	117	113	119	115	116	117	118	114	120	116	117	118	119	115	121	117	118	119	120	116	122	118	119	120	121	117	123	119	120	121	122	118	124	120	121	122	123	119	125	121	122	123	124	120	126	122	123	124	125	121	127	123	124	125	126	122	128	124	125	126	127	123	129	125	126	127	128	124	130	126	127	128	129	125	131	127	128	129	130	126	132	128	129	130	131	127	133	129	130	131	132	128	134	130	131	132	133	129	135	131	132	133	134	130	136	132	133	134	135	131	137	133	134	135	136	132	138	134	135	136	137	133	139	135	136	137	138	134	140	136	137	138	139	135	141	137	138	139	140	136	142	138	139	140	141	137	143	139	140	141	142	138	144	140	141	142	143	139	145	141	142	143	144	140	146	142	143	144	145	141	147	143	144	145	146	142	148	144	145	146	147	143	149	145	146	147	148	144	150	146	147	148	149	145	151	147	148	149	150	146	152	148	149	150	151	147	153	149	150	151	152	148	154	150	151	152	153	149	155	151	152	153	154	150	156	152	153	154	155	151	157	153	154	155	156	152	158	154	155	156	157	153	159	155	156	157	158	154	160	156	157	158	159	155	161	157	158	159	160	156	162	158	159	160	161	157	163	159	160	161	162	158	164	160	161	162	163	159	165	161	162	163	164	160	166	162	163	164	165	161	167	163	164	165	166	162	168	164	165	166	167	163	169	165	166	167	168	164	170	166	167	168	169	165	171	167	168	169	170	166	172	168	169	170	171	167	173	169	170	171	172	168	174	170	171	172	173	169	175	171	172	173	174	170	176	172	173	174	175	171	177	173	174	175	176	172	178	174	175	176	177	173	179	175	176	177	178	174	180	176	177	178	179	175	181	177	178	179	180	176	182	178	179	180	181	177	183	179	180	181	182	178	184	180	181	182	183	179	185	181	182	183	184	180	186	182	183	184	185	181	187	183	184	185	186	182	188	184	185	186	187	183	189	185	186	187	188	184	190	186	187	188	189	185	191	187	188	189	190	186	192	188	189	190	191	187	193	189	190	191	192	188	194	190	191	192	193	189	195	191	192	193	194	190	196	192	193	194	195	191	197	193	194	195	196	192	198	194	195	196	197	193	199	195	196	197	198	194	200	196	197	198	199	195	201	197	198	199	200	196	202	198	199	200	201	197	203	199	200	201	202	198	204	200	201	202	203	199	205	201	202	203	204	200	206	202	203	204	205	201	207	203	204	205	206	202	208	204	205	206	207	203	209	205	206	207	208	204	210	206	207	208	209	205	211	207	208	209	210	206	212	208	209	210	211	207	213	209	210	211	212	208	214	210	211	212	213	209	215	211	212	213	214	210	216	212	213	214	215	211	217	213	214	215	216	212	218	214	215	216	217	213	219	215	216	217	218	214	220	21
♂	♀	♂	♀	♂	♀																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1	7	3	4	5	6																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
2	8	4	5	6	7																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
3	9	5	6	7	8																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
4	10	6	7	8	9																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
5	11	7	8	9	10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
6	12	8	9	10	11																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
7	13	9	10	11	12																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
8	14	10	11	12	13																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
9	15	11	12	13	14																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
10	16	12	13	14	15																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
11	17	13	14	15	16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
12	18	14	15	16	17																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
13	19	15	16	17	18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
14	20	16	17	18	19																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
15	21	17	18	19	20																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
16	22	18	19	20	21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
17	23	19	20	21	22																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
18	24	20	21	22	23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
19	25	21	22	23	24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
20	26	22	23	24	25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
21	27	23	24	25	26																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
22	28	24	25	26	27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
23	29	25	26	27	28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
24	30	26	27	28	29																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
25	31	27	28	29	30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
26	32	28	29	30	31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
27	33	29	30	31	32																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
28	34	30	31	32	33																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
29	35	31	32	33	34																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
30	36	32	33	34	35																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
31	37	33	34	35	36																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
32	38	34	35	36	37																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
33	39	35	36	37	38																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
34	40	36	37	38	39																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
35	41	37	38	39	40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
36	42	38	39	40	41																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
37	43	39	40	41	42																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
38	44	40	41	42	43																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
39	45	41	42	43	44																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
40	46	42	43	44	45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
41	47	43	44	45	46																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
42	48	44	45	46	47																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
43	49	45	46	47	48																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
44	50	46	47	48	49																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
45	51	47	48	49	50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
46	52	48	49	50	51																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
47	53	49	50	51	52																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
48	54	50	51	52	53																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
49	55	51	52	53	54																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
50	56	52	53	54	55																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
51	57	53	54	55	56																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
52	58	54	55	56	57																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
53	59	55	56	57	58																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
54	60	56	57	58	59																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
55	61	57	58	59	60																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
56	62	58	59	60	61																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
57	63	59	60	61	62																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
58	64	60	61	62	63																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
59	65	61	62	63	64																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
60	66	62	63	64	65																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
61	67	63	64	65	66																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
62	68	64	65	66	67																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
63	69	65	66	67	68																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
64	70	66	67	68	69																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
65	71	67	68	69	70																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
66	72	68	69	70	71																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
67	73	69	70	71	72																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
68	74	70	71	72	73																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
69	75	71	72	73	74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
70	76	72	73	74	75																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
71	77	73	74	75	76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
72	78	74	75	76	77																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
73	79	75	76	77	78																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
74	80	76	77	78	79																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
75	81	77	78	79	80																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
76	82	78	79	80	81																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
77	83	79	80	81	82																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
78	84	80	81	82	83																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
79	85	81	82	83	84																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
80	86	82	83	84	85																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
81	87	83	84	85	86																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
82	88	84	85	86	87																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
83	89	85	86	87	88																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
84	90	86	87	88	89																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
85	91	87	88	89	90																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
86	92	88	89	90	91																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
87	93	89	90	91	92																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
88	94	90	91	92	93																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
89	95	91	92	93	94																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
90	96	92	93	94	95																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
91	97	93	94	95	96																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
92	98	94	95	96	97																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
93	99	95	96	97	98																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
94	100	96	97	98	99																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
95	101	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
96	102	98	99	100	101																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
97	103	99	100	101	102																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
98	104	100	101	102	103																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
99	105	101	102	103	104																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
100	106	102	103	104	105																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
101	107	103	104	105	106																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
102	108	104	105	106	107																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
103	109	105	106	107	108																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
104	110	106	107	108	109																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
105	111	107	108	109	110																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
106	112	108	109	110	111																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
107	113	109	110	111	112																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
108	114	110	111	112	113																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
109	115	111	112	113	114																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
110	116	112	113	114	115																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
111	117	113	114	115	116																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
112	118	114	115	116	117																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
113	119	115	116	117	118																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
114	120	116	117	118	119																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
115	121	117	118	119	120																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
116	122	118	119	120	121																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
117	123	119	120	121	122																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
118	124	120	121	122	123																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
119	125	121	122	123	124																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
120	126	122	123	124	125																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
121	127	123	124	125	126																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
122	128	124	125	126	127																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
123	129	125	126	127	128																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
124	130	126	127	128	129																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
125	131	127	128	129	130																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
126	132	128	129	130	131																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
127	133	129	130	131	132																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
128	134	130	131	132	133																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
129	135	131	132	133	134																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
130	136	132	133	134	135																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
131	137	133	134	135	136																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
132	138	134	135	136	137																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
133	139	135	136	137	138																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
134	140	136	137	138	139																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
135	141	137	138	139	140																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
136	142	138	139	140	141																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
137	143	139	140	141	142																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
138	144	140	141	142	143																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
139	145	141	142	143	144																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
140	146	142	143	144	145																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
141	147	143	144	145	146																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
142	148	144	145	146	147																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
143	149	145	146	147	148																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
144	150	146	147	148	149																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
145	151	147	148	149	150																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
146	152	148	149	150	151																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
147	153	149	150	151	152																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
148	154	150	151	152	153																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
149	155	151	152	153	154																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
150	156	152	153	154	155																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
151	157	153	154	155	156																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
152	158	154	155	156	157																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
153	159	155	156	157	158																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
154	160	156	157	158	159																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
155	161	157	158	159	160																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
156	162	158	159	160	161																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
157	163	159	160	161	162																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
158	164	160	161	162	163																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
159	165	161	162	163	164																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
160	166	162	163	164	165																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
161	167	163	164	165	166																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
162	168	164	165	166	167																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
163	169	165	166	167	168																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
164	170	166	167	168	169																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
165	171	167	168	169	170																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
166	172	168	169	170	171																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
167	173	169	170	171	172																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
168	174	170	171	172	173																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
169	175	171	172	173	174																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
170	176	172	173	174	175																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
171	177	173	174	175	176																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
172	178	174	175	176	177																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
173	179	175	176	177	178																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
174	180	176	177	178	179																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
175	181	177	178	179	180																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
176	182	178	179	180	181																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
177	183	179	180	181	182																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
178	184	180	181	182	183																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
179	185	181	182	183	184																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
180	186	182	183	184	185																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
181	187	183	184	185	186																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
182	188	184	185	186	187																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
183	189	185	186	187	188																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
184	190	186	187	188	189																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
185	191	187	188	189	190																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
186	192	188	189	190	191																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
187	193	189	190	191	192																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
188	194	190	191	192	193																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
189	195	191	192	193	194																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
190	196	192	193	194	195																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
191	197	193	194	195	196																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
192	198	194	195	196	197																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
193	199	195	196	197	198																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
194	200	196	197	198	199																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
195	201	197	198	199	200																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
196	202	198	199	200	201																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
197	203	199	200	201	202																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
198	204	200	201	202	203																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
199	205	201	202	203	204																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
200	206	202	203	204	205																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
201	207	203	204	205	206																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
202	208	204	205	206	207																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
203	209	205	206	207	208																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
204	210	206	207	208	209																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
205	211	207	208	209	210																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
206	212	208	209	210	211																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
207	213	209	210	211	212																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
208	214	210	211	212	213																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
209	215	211	212	213	214																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
210	216	212	213	214	215																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
211	217	213	214	215	216																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
212	218	214	215	216	217																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
213	219	215	216	217	218																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
214	220	21																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

AY53
G7. Office

The seventh month cald July hath xxxi day

Second quarter 9 day 12 m. p. 8 6 - oris
Full moon 10 d 9. 41 m. p. 8 6 - afternoon
Last quarter 27 day 7 m. p. 8 6 - noon
New moon 24 day 28 m. p. 8 6 - night

M. W.	Plan. At.	Plan. At.	Plan. At.	Plan. At.	Plan. At.
1	1	2	3	4	5
2	3	4	5	6	7
3	4	5	6	7	8
4	5	6	7	8	9
5	6	7	8	9	10
6	7	8	9	10	11
7	8	9	10	11	12
8	9	10	11	12	13
9	10	11	12	13	14
10	11	12	13	14	15
11	12	13	14	15	16
12	13	14	15	16	17
13	14	15	16	17	18
14	15	16	17	18	19
15	16	17	18	19	20
16	17	18	19	20	21
17	18	19	20	21	22
18	19	20	21	22	23
19	20	21	22	23	24
20	21	22	23	24	25
21	22	23	24	25	26
22	23	24	25	26	27
23	24	25	26	27	28
24	25	26	27	28	29
25	26	27	28	29	30
26	27	28	29	30	31
27	28	29	30	31	
28	29	30	31		
29	30	31			
30	31				
31					

Oris	Occ.	h	m	s	Oris	Occ.	h	m	s
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

The twelfth month cal'd February hath xiviii days

Second quarter 1 day, 20 m. past 4 after noon
 Full moon 9 day, 46 m. past 3 morn.
 Last quarter 15 day, 25 m. past 7 night
 New moon 23 day, 33 m. past 3 aftern.

M. W. First Stars rise, South, Set, &c.		☉	☾	☿	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
1	♏ Scorpius heart rif. 2. 10. morn	23	25	8	11											
2	♏ Lucida Pleiad son 5. 4. night	24	25	25												
3	♏ Aldebaran son 6. 21 night	25	26	11												
4	♏	26	26	22												
5	♏ Arcturus rises 7. 48. night	27	27	6												
6	♏ Court New-Haven	28	27	22												
7	♏ Oriens bright son 6. 26. night	29	28	6												
8	♏	30	28	21												
9	♏ Caput son. 8. 53. night	01	29	05												
10	♏ Pollux son. 9. 2. night	02	29	20												
11	♏	03	29	05												
12	♏ Jupiter Orient	04	30	20												
13	♏ The Goat son 6. 35. night	05	30	05												
14	♏ Virgo's Girdle rif. 7. 43. night	06	30	19												
15	♏	07	30	43												
16	♏ Sirius son. 8. 00 night	08	31	17												
17	♏ Pro gen son. 8. 48. night	09	31	00												
18	♏	10	31	12												
19	♏ Tright ♂. Crown rif 7. 27. night	11	31	25												
20	♏ Mercury's head rif. 10. 45. night	12	31	07												
21	♏ Medusa's head sets 11. 00. night	13	31	20												
22	♏ North Tailance rif. 10. 8. night	14	31	11												
23	♏ South Balance rif. 10. 14. night	15	31	14												
24	♏	16	31	26												
25	♏ Hydra's heart son. 10 25. night	17	31	07												
26	♏ Vincenaurin rif 6. 00 night	18	31	19												
27	♏ Lions heart son 10. 30. night	19	31	01												
28	♏ Virgo's Spick rif. 8. 16. night	20	30	13												

☉	☾	☿	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓
1	0	5	08	15	2	07	24	05	15	05	23	4		
2	1	46	5	14	16	40	3	16	7	09	11	19	5	20
3	2	38	5	22	17	18	4	31	6	27	17	33	07	25
4	3	32	5	28	17	45	5	44	5	25	23	47	11	27
5	4	24	5	36	18	20	6	57	4	04	29	59	16	36
6	5	17	5	43	18	24	8	06	2	30	06	14	22	30

THE SUNS PREROGATIVE VINDICATED.

Mathematicians have that privilege above other Philo-
sophers, that their foundations are so founded upon, and
proved by demonstration, that reason *Palat* *dictis* and approve
of them; when they are once viewed by the eye of the Intellect.
Typa Fidei it grants a *Probatum est* upon those Foundations he
raises famous Architec-tures, which are inseparably joined in,
and joined to their ground-works. Yet are not their Elements
of such vast extensions, as to base their structures associate with
the Machine of the *Primum Motu*, and to include the Ark of
created Beings; but there are Spheres above the Sphere of their
Activity, and Orbes placed above the reach of their inquiries,
which will *Non plus* the most acute inquiries, at least in
reference to an accurate scrutiny: hence difficulties about
Celestial Bodies. Whether the Planets have any native Light,
has been a question, which I shall labour to put out of question,
proving that they borrow their light from the Sun; he being the
primitive, they derivatives; he *Argumentum Primum*, they *Orbi*,
who though they have light *in se*, yet *non ex se*. This assertion is
not expugned by Geocentrick, who produce *se* and antiquity
to support their suppositions; nor opposed by Heliocentrick,
who deduce their Hypothesis from reason and observation;
For, quicquid in ambiguo dicitur, non habet auctoritatem, sed probatur.
Atque centro quiescentis ponderis coelestium. Should I
put the question to vote, quicquid *est* *de* *Maior* part of moderne
Astronomers would carry it affirmatively: but a sufficient being
Inartificialis Argumentum. I shall found my position upon a more
artificial Basis. As for the Multiplication of Eclipses which
some fear, it's needless; For the extent of the cone of the
Earth shadow (a *Centro Terra*) being 210. Semidiameters, it
can't reach *Mercurius*; *Venus* and *Mars* never oppose the Sun. It
has been observed by help of Optical Tubes, that *Venus* has
diverse faces, according to her diverse position to the Sun; some
affirm the same of *Mercury*, but he's not so liable to observation,
being seldom clear of the radiancy of the Sun. The superior
Planets, being above the Sun, turn the same side to the Sun as
they do to us. *Venus* and *Mars* are more Lucid in their Perhe-
lion, then in their Aphelion. The Telescope may convince us of
this Truth: *Evincit enim, crassa opaca & diffusiva plene par-
tium corpora planetas esse.* Lastly, God made the Sun and Moon
the two greater lights (though not the greater lucid bodies)
that the Moons light is adventitious, follows from her invisibili-
ty in a Central Eclipse: hence, the other Planets are destitute of
native light, *non a maiore ad minus sunt consequentia negativa.*

The Comet call's me away.

[illegible]